

REMARKS

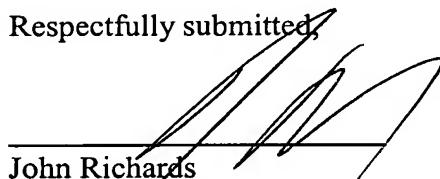
New claim 28 finds support at the fourth complete paragraph on page 4 of the specification. As noted in that paragraph, a key to the successful production of zinc flake and the avoidance of sintering and ignition problems is the continuous cooling of the mill used. Despite the simplicity of this requirement, the applicant is unaware of any previous suggestion that such a step should be taken. In view of the desirability of a dry method for production of zinc flake and the dearth of practical methods for accomplishing this, the ingenuity and inventivity of the applicant in accomplishing this desired goal is apparent from the success he has achieved.

Turning now to the rejection of most of the original claims over Bolger, Bolger teaches making flake from aluminum and gold bronze, using for example PTFE as a grinding agent. Dry milling is taught to be suitable for production of flake from gold-bronze but wet milling is necessary for aluminum because of its tendency to explode during dry milling (column 1 lines 44 - 53). It is taught that the use of PTFE represents a step forward in the art as compared with prior art use of stearic acid grinding agents. Stearic acid may, however, be used as a supplemental grinding aid. A list of other metals for which the technique can be used is given in column 6 lines 61 - 64. However, none of these presents the problems that arise with dry milling of zinc powder. In view of the known problems in attempting to dry mill zinc powder, one skilled in the art would not have regarded Bolger's teaching of the possible use of ptfte as a lubricant for dry milling "gold-bronze" as providing useful information to solve the problems of dry milling zinc flake..

It is therefore submitted that the invention as claimed complies with the requirements of 35 USC 103.

In view of the foregoing, it is submitted that this application is now in order for allowance and an early action to this end is respectfully solicited.

Respectfully submitted,


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